

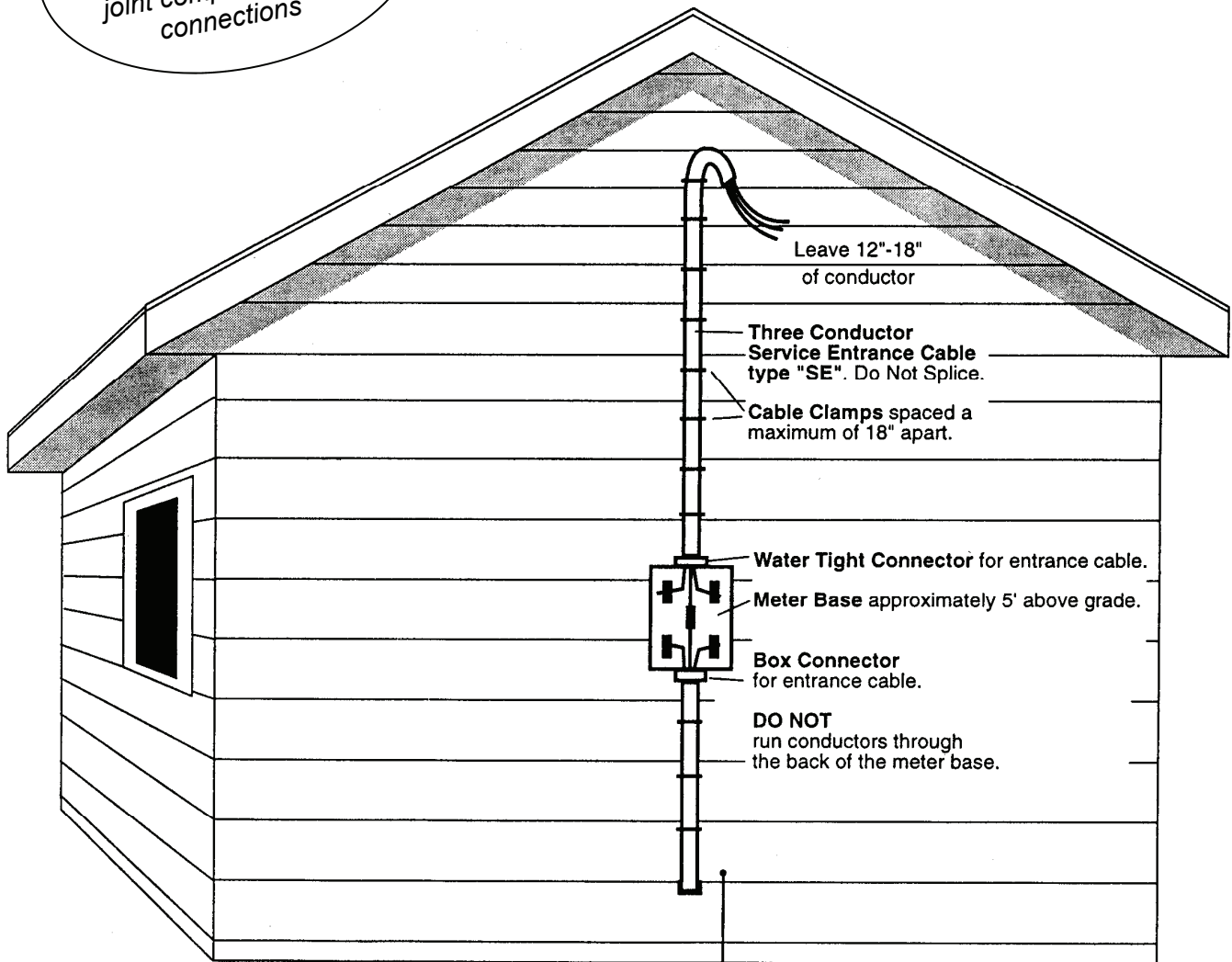
RESIDENTIAL SERVICE ENTRANCE WHERE NO MAST IS REQUIRED

It is the responsibility of the member to furnish and have installed the following:

PLEASE HAVE THE LOCATION OF THE SERVICE APPROVED BY THE COOPERATIVE BEFORE WORK IS STARTED

For Aluminum Conductors:
use aluminum electrical joint compound at all connections

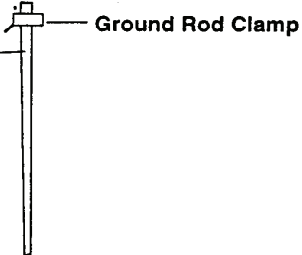
Size of Service	100 amp	150 amp	200 amp
Service Entrance Cable Conductor Size	#2 Type SE aluminum or copper	#2/0 Type SE aluminum or #1/0 Type SE copper	#4/0 Type SE aluminum or #3/0 Type SE copper
NOTE: If mast is used instead of entrance cable, the mast must be 2" Galvanized Conduit.			



#6 Bare Solid Copper Ground Wire from main entrance panel.
DO NOT SPLICE this Ground Wire!

5/8"x8' Copperweld Ground Rod driven below grade and 2 feet from the building.

NOTE:
If water line is metal, bond the ground wire to the water line also.



Guernsey-Muskingum Electric Cooperative, Inc.

17 South Liberty Street
New Concord, Ohio 43762
(740) 826-7661 or (800) 521-9879 (Ohio Only)

Single Phase 120/240 Volt Service Specifications

The following recommendations have the purpose of safeguarding members and employees, and of providing adequate service to all members.

These recommendations and the specifications listed below are minimum standards. In addition to compliance with these standards, all electrical installations must comply with the National Electric Code and any state or local laws that may be in force at the time.

General Requirements of the National Electrical Code

All new or renovated single dwellings shall have a minimum main service capacity of **100 amp**.

All meters shall be located so as to be exposed and accessible from the outside.

The main service panel shall be located at a readily accessible location nearest the point of entrance of the service entrance conductors.

All conduit threads and threaded or threadless fittings used must be made watertight.

To conform with the National Electrical Safety Code when planning a service, the following minimum clearances from the ground are to be observed:

Minimum of 18ft. over roads, driveways, and parking areas subject to truck traffic.

Service conductors shall have a clearance of not less than **3 feet** from windows, doors, porches, fire escapes, or similar locations.

Consumer wiring systems and equipment shall not be installed on poles owned by Guernsey-Muskingum Electric Cooperative.

In underground installations, the depth of the trench and the use of conduit are safety measures which must be adhered to. It is advisable to keep underground services to a maximum of 150 ft.

When using aluminum conductors, electric joint compound must be applied at all connections. Copper and aluminum must not be terminated under the same connector unless the connector is of the bi-metal type.

All meters of Guernsey-Muskingum Electric Cooperative are sealed. These seals shall not be broken other than by qualified personnel of the Cooperative or its designated agent.

Guernsey-Muskingum Electric Cooperative reserves the right to refuse electric service to any facility where the consumer's wiring system might result in undue hazard to the consumer, the Cooperative's employees, or the general public.

The "Electrical Inspection Requirements" sheet must be filled out, signed by qualified electrician or property owner, and mailed or faxed to Guernsey-Muskingum Electric Cooperative before service will be connected.